Postgraduate Diploma

Nervous System, Cardiac,Genitourinary and Musculoskeletal Tumors in Small Animals

tech technological university

tech technological university

Postgraduate Diploma
Nervous System,Cardiac, Genitourinary,and Musculoskeletal Tumors in Small Animals

- Modality: **online**
- Duration: **6 months**
- Certificate: **TECH Technological University**
- Dedication: **16h/week**
- Schedule: **at your own pace**
- Exams: **online**

Website: www.techtitute.com/us/veterinary-medicine/postgraduate-diploma/postgraduate-diploma-nervous-system-cardiac-genitourinary-musculoskeletal-tumors-small-animals

Index

01

Introduction

Through this program, students will develop specialized, advanced, up-to-date, practical, scientifically rigorous and useful knowledge of Nervous System, Cardiac, Genitourinary and Musculoskeletal Tumors in Small Animals to be applied immediately in their daily clinical practice.

Become one of the most demanded professionals today: Train in Nervous System, Cardiac, Genitourinary and Musculoskeletal Tumors in Small Animals with this complete online Postgraduate Diploma"

The age of patients in veterinary consultations is increasingly higher, resulting in more frequent cases of cancer patients.

This intensive program compiles the different oncologic diseases that small animals experience. It addresses the development of the different tumors that affect the canine and feline species, focusing on the diagnostic and therapeutic approach, and including the latest treatments.

Small Animal Oncology is an internal medicine subspecialty which has experienced great development in the last decades. The professors on this Postgraduate Diploma are at the forefront of the latest diagnostic techniques and treatments of oncologic diseases in small animals. Due to their specialized training, they have designed a useful, practical program adapted to the current situation, an increasingly demanding and specialized reality.

All the professors on the program are clinicians and/or university professors with experience in both undergraduate and postgraduate training. Professionally active, the professors are specialized in different areas involved in small animal oncology such as clinical oncologists, oncological surgeons, radiologists and anatomopathologists. The aim is to offer a Postgraduate Diploma that takes a multidisciplinary approach to oncology.

This program specializes general practitioners in veterinary oncology in an area that is increasingly in demand, partly due to its prevalence, and partly to the specialization this area requires and demands.

All the modules compiled include the author's experience, without forgetting scientific rigor and the most important evidence-based updates. It addresses the diseases and action protocols, and it consideres the integral approach to patients, including disease, patient and owner.

The program also includes a large amount of multimedia material: photos, videos, diagrams, and imaging techniques and surgery.

As it is an online Postgraduate Certificate course, students are not restricted by set timetables, nor do they need to physically move to another location. All of the content can be accessed at any time of the day, so you can balance your working or personal life with your academic life.

This **Postgraduate Diploma in Nervous System, Cardiac, Genitourinary and Musculoskeletal Tumors in Small Animals** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The latest technology in online teaching software
- A highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand
- Practical cases presented by practising experts
- State-of-the-art interactive video systems
- Teaching supported by telepractice
- Continuous updating and recycling systems
- Autonomous learning: full compatibility with other occupations
- Practical exercises for self-evaluation and learning verification
- Support groups and educational synergies: questions to the expert, debate and knowledge forums
- Communication with the teacher and individual reflection work
- Content that is accessible from any fixed or portable device with an Internet connection
- Supplementary documentation databases are permanently available, even after the course

You will benefit from the experience of expert professionals who have contributed their expertise in the area to this program, making it a unique opportunity for professional growth"

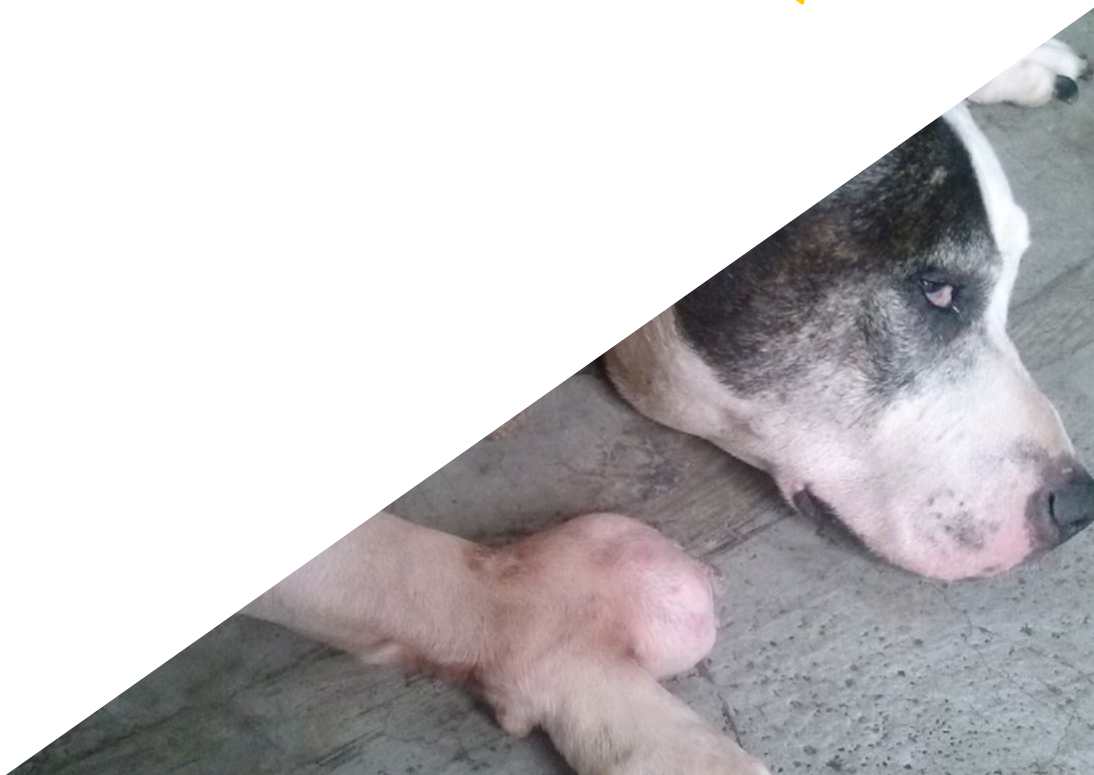
Get a complete and adequate qualification in Nervous System, Cardiac, Genitourinary and Musculoskeletal Tumors in Small Animals with this highly effective training program and pave new ways to your professional advancement"

Our teaching staff is made up of professionals from different fields related to this specialty. That way, TECH ensures to offer the updating objective it intends to provide. A multidisciplinary team of professionals trained and experienced in different environments, who will cover the theoretical knowledge in an efficient way, but, above all, will bring the practical knowledge from their own experience to the course: one of the differential qualities of this course.

This mastery of the subject is complemented by the effectiveness of the methodological design of this Postgraduate Diploma in Nervous System, Cardiac, Genitourinary, Musculoskeletal and Genitourinary Tumors in Small Animals. Developed by a multidisciplinary team of *e-learning* experts, it integrates the latest advances in educational technology. That way, students will study with a range of easy-to-use and versatile multimedia tools that will give them the necessary skills needed during training

The design of this program is based on Problem-Based Learning: an approach that views learning as a highly practical process. To achieve this remotely, TECH will use telepractice: with the help of an innovative interactive video system and *Learning from an Expert*, the student will be able to acquire the knowledge as if they were facing the scenario they are learning at that moment. A concept that will allow students to integrate and memorize what they have learnt in a more realistic and permanent way.

Our innovative telepractice concept will give you the opportunity to learn through an immersive experience, which will provide you with a faster integration and a much more realistic view of the contents: "Learning from an Expert.



02

Objectives

The objective is to specialize highly qualified professionals for work experience. An objective that is complemented, moreover, in a global manner, by promoting human development that lays the foundations for a better society. This objective is focused on helping medical professionals reach a much higher level of expertise and control. A goal that, in just a few months, can be achieved with a high intensity and precision program.

If your objective is to broaden your skills to include new paths of success and development, this is the course for you: a training that aspires to excellence"

General Objectives

- Develop diagnostic and therapeutic protocols for the main male and female genital tract tumors
- Generate diagnostic and therapeutic algorithms for the main urinary tumors in dogs and cats
- Evaluate the different diagnostic procedures and specify treatments for the main tumors affecting the nervous system in dogs and cats
- Examine the different techniques that exist for surgically treating patients with genitourinary and nervous system tumors
- Identify hematopoietic neoplasms and histiocytic diseases in cats and dogs
- Evaluate the different presentations of hematopoietic tumors, knowing their etiology, pathology, classification and staging
- Specify specific treatments for each type of hematopoietic tumor or histiocytic disease
- Establish knowledge of the prognosis of hematopoietic tumors and histiocytic diseases
- Develop a diagnostic and therapeutic protocol for the approach to hemagiosarcoma, with special emphasis on splenic hemangiosarcoma
- Establish guidelines for the diagnosis and treatment of thymoma
- Examine the main cardiac tumors in small animals and evaluate the therapeutic alternative for them
- Generate diagnostic and therapeutic algorithms for the main musculoskeletal tumors in dogs and cats
- Describe the main techniques for the surgical approach to splenic hemangiosarcoma, cardiac tumors, thymoma and osteosarcoma

Specific Objectives

Module 1. Genitourinary Tumors. Nervous System Tumours

- Define the different tumors affecting the urogenital tract in dogs and cats
- Evaluate the classical and minimally invasive diagnostic techniques used in tumors affecting the urogenital tract in dogs and cats
- Establish the different medical and surgical treatments for genitourinary tumors
- Analyze the new minimally invasive therapeutic strategies and interventional radiology in tumors affecting the urogenital system in dogs and cats
- Establish the risk and prognostic factors in canine and feline urogenital tumors
- Define the different brain and spinal cord tumors affecting dogs and cats
- Generate algorithms for the diagnosis of nervous system tumors in dogs and cats based on clinical history, physical examination and imaging techniques
- Develop the different therapeutic alternatives for the treatment of nervous system tumors in dogs and cats

Module 2. Hematopoietic Tumors

- Define the appropriate diagnosis and clinical staging of canine and feline lymphoma
- Compile the different classifications of canine and feline lymphoma
- Establish the different treatments for induction, reinduction and rescue of canine and feline lymphoma
- Discuss new treatment strategies and future alternatives for canine lymphoma
- Examine the diagnostic and therapeutic approach to both canine and feline lymphocytic leukemia
- Implement the diagnostic and therapeutic approach to myeloproliferative diseases
- Demonstrate knowledge of the different aspects of tumor behavior in histiocytic diseases
- Substantiate the appropriate prognosis for each hematopoietic neoplasm and histiocytic disease according to its presentation and response to treatment

Module 3. Hemangiosarcoma. Thymoma. Cardiac Tumors. Musculoskeletal Tumors

- Establish the basis for the diagnosis of hemangiosarcoma in dogs and cats
- Develop the medical and surgical treatment of splenic hemangiosarcoma
- Identify the key aspects in the diagnosis of thymoma
- Define cardiac tumors affecting dogs and cats
- Evaluate techniques for treating complications secondary to cardiac tumors
- Define musculoskeletal tumors
- Establish management protocols for musculoskeletal tumors
- Develop conventional treatment and new strategies in the approach to canine osteosarcoma

A path to achieve knowledge and professional growth that will propel you towards a greater level of competitiveness in the job market"

03

Course Management

For our course to be of the highest quality, we are proud to work with a teaching staff of the highest level, chosen for their proven track record. Professionals from different areas and fields of expertise that make up a complete, multidisciplinary team. A unique opportunity to learn from the best.

Leading professionals in the field have come together to teach you the latest advances in Nervous System, Cardiac, Genitourinary and Musculoskeletal Tumors in Small Animals"

Management

Dr. Ortiz Díez, Gustavo

- Head of Small Animal Department, Complutense Clinical Veterinary Hospital
- Associate Professor, Department of Animal Medicine and Surgery, Faculty of Veterinary Medicine, Complutense University of Madrid
- PhD and Undergraduate Degree in Veterinary Medicine from the UCM
- Graduate in Psychology, UNED (2020)
- AVEPA Accredited Soft Tissue Surgery
- Member of the scientific committee and current president of GECIRA (AVEPA's Soft Tissue Surgery Specialty Group)
- Master's Degree in Research Methodology in Health Sciences from the UAB
- Specialist in Traumatology and Orthopedic Surgery in Companion Animals by the UCM. Degree in Small Animal Cardiology from the UCM
- Courses of laparoscopic and thoracoscopic surgery at the Minimally Invasive Center Jesús Usón. Accredited in functions B, C, D and E of Experimentation Animals, Community of Madrid
- Degree in Emotional Intelligence, UR Completed training in Gestalt psychology
- ICT Competencies Course for Teachers, UNED

Professors

Dr. Álvarez Ibañez, Jorge

- Head of the Neurology and Neurosurgery Service, San Fermin Veterinary Hospital
- Member of the Neurology and Neurosurgery Service, 4 de Octubre Veterinary Hospital
- Degree in Veterinary Medicine, Faculty of Veterinary Medicine of Lugo, University of Santiago de Compostela, 2010
- Specialization in Neurology, Neurosurgery and Neuroimaging, University of Luxembourg ESAVS Neurology, Bern, Switzerland; and Neurosurgery, Tuttlingen, Germany
- Completion of multiple specialization and accreditation courses in the areas of neurology, neurosurgery, traumatology and orthopedics, vascular and interventional surgery and general surgery
- Currently in the process of accreditation for the specialty of neurology and neurosurgery, AVEPA Member of Neurology and Orthopedics working groups, AVEPA
- Stays in several leading centers in neurology and neurosurgery

Dr. De Andrés Gamazo, Paloma Jimena

- Director and Coordinator of Continuing Education courses, Universidad Complutense de Madrid, Spain, on Technical Assistance in Veterinary Clinic Part II and Part I, respectively
- Private teacher in several training schools for Zookeepers and Veterinary Technical Assistants
- PhD in Veterinary Sciences, UCM, December 2015
- Degree in Veterinary Medicine, UCM, 2004
- Master's Degree in Teacher Training for Compulsory High School Teachers, Vocational Training and Language Teaching, Universidad Nacional de Educación a Distancia, Spain, September 2012
- Graduated in Veterinary Medicine, 2005
- Assistant Physician Professor for courses in Histology, Special Pathological Anatomy and Clinical Rotation, UCM, since September 2019
- Associate Professor for courses in Special Pathological Anatomy and Clinical Rotation, UCM, from September 2016 to August 2019
- Associate Professor for courses in General Anatomic Pathology and Special Anatomic Pathology, University Alfonso X El Sabio, from January to July 2019
- Anatomopathological diagnosis of biopsies and necropsies, Diagnostic Service, Complutense Clinical Veterinary Hospital, since 2019
- Head of the Cytological Diagnostic and Clinical Oncology Service, Retiro Veterinary Hospital, from September 2017 to August 2019
- Clinical veterinarian in several leading veterinary hospitals (Ervet Urgencias Veterinarias, Hospital Veterinario Retiro and Surbatán, in Madrid; and Hospital Veterinario Archiduque Carlos, in Valencia) in the Emergency and Hospitalization Services from 2004 to 2012 and from 2017 to 2019
- Chief Veterinarian, Head of Conservation, Research and Education in the field of wildlife medicine and conservation at La Reserva del Castillo de las Guardas, Seville, from March 2012 to September 2017

Dr. González de Ramos, Paloma

- Director and Head of the Anesthesiology and Resuscitation Service, 4 de Octubre, Veterinary Hospita, Arteixo, A Coruña, January 2018 - present
- Degree in Veterinary Medicine, Alfonso X El Sabio University, Madrid, 2013
- Specialization in Anesthesiology, Resuscitation and Pain Therapeutics, Alfonso X el Sabio University, 2014-2017
- Multiple courses, congresses and specialization conferences in the area of veterinary anesthesiology
- Training stay in the Anesthesiology and Resuscitation Service, Cornell University Veterinary Hospital, New York, NY, USA, August-September 2017, under the tutelage of Dr. Luis Campoy (LV, MSc, PhD, Dip ACVAA)•
- Training stay in the Anesthesiology and Resuscitation Service, University of Bern Veterinary Hospital, Switzerland, October 2016, under the tutelage of Dr. Olivier Levionnois (DVM, DrMedVet, Dip ECVAA, PhD, Habil. Senior Clinical instructor Research Assistant, Lecturer)
- Currently in the process of accreditation in the specialty of Anesthesia, AVEPA
- Member of the Spanish Society of Veterinary Anesthesia and Analgesia (SEAAV)
- Member of the AVEPA Anesthesia Working Group
- Resident of the Anesthesiology and Resuscitation Service, Alfonso X el Sabio University Veterinary Hospital, Madrid September 2014 - September 2017
- General Veterinarian, Arealonga Veterinary Clinic, A Coruña, September 2013 - September 2014

Dr. González Villacieros, Álvaro

- Member of the Anaesthesiology and Resuscitation Service, 4 de Octubre Veterinary Hospital
- Degree in Veterinary Medicine, University of León, 2010
- Master's Degree in Anesthesiology, Pharmacology and Therapeutics in Veterinary Medicine, CIU, 2016
- Diploma in Small Animal Clinical Practice, UAB, 2017
- Diploma in Small Animal Ophthalmology, UCM, 2019
- General and Emergency Veterinarian in Small Animal Clinics, 2010 - 2016
- Head of the Anesthesia Service, Specialist Center, since 2016 Deputy of the Ophthalmology Team in the same center
- Speaker at the 2013 Northwest Veterinary Congress presenting Canine Leishmaniasis in the Region of Valdeorras: Seroprevalence and Clinical Characteristics in collaboration with Dr. Adolfo García Emilió and Dr. Ana Carvajal Urueña, University of León

Dr. Hernández Bonilla, Milagros

- Veterinarian in charge of the Internal Medicine and Oncology Service, La Salle Veterinary Center, 2017 - Present
- Graduated in Veterinary Medicine, 2011 University of León
- Master's Degree in Veterinay Research and Food Science and Technology University of León, 2011 - 2012
- General Practicioner Certificate Program in Oncology 2017 - 2018 Improve International, Madrid
- In the process of accreditation in Veterinary Oncology, AVEPA (GEVONC)
- Member of AVEPA (Association of Veterinary from Specialists in Small Animals)
- Member of GEVONC (Group of specialists in Veterinary Oncology)
- Member of the Official College of Veterinarians Asturias (331930)
- Royal College of Veterinary Surgeons Nº 7369353
- 2012 - 2014 internship in Emergency and Intensive Care, Veterinary Hospital of the University of Murcia
- 2014-2017 Veterinarian in different private centers in Asturias. Spain

Dr. Montoya Landa, Blanca

- Veterinarian in the Internal Medicine, Hospitalization and Emergencies Area, San Antón de Colmenar Viejo Veterinary Hospital
- Collaboration in the Oncology Service, Complutense University of Madrid Veterinary Hospital
- Degree in Veterinary Medicine, Complutense University Madrid
- Training in oncology and attended multiple seminars and congresses

Dr. Lorenzo Toja, María

- Veterinarian in the Diagnostic Imaging Service, 4 de Octubre Veterinary Hospital
- Degree in Veterinary Medicine, University of Santiago de Compostela, 2007
- Pursuing Avepa's Accreditation in Diagnostic Imaging
- GpCert: Ultrasound & Echocardiography, 2017
- Official Master's Degree in Basic and Applied Research in Veterinary Sciences
- TIT: Mouse Brain Relaxation Times in 11.7 T MRI 2009/2010
- Clinical Veterinarian, Can Cat Veterinary Clinic, Santiago de Compostela, 2013/2018 (Internal medicine, feline medicine, ultrasound and echocardiography)
- Veterinarian in the Continuous Care Service, Rof Codina Veterinary University Hospital 2012/2013
- MRI Head Veterinarian, USC Magnetic Resonance Unit 2010/2012
- Small Animal Boarding, Rof Codina Veterinary University Hosptial 2008/2009
- Student Intern, Veterinary Hospital

An impressive teaching staff, made up of professionals from different areas of expertise, will be your teachers during your training: a unique opportunity not to be missed"

04

Structure and Content

The contents of this program have been developed by the different experts on this course with a clear purpose: to ensure that our students acquire each and every one of the necessary skills to become true experts in this field.

A complete and well-structured program will take you to the highest standards of quality and success"

Module 1. Genitourinary Tumors. Nervous System Tumours

1.1. Female Reproductive System Tumors
- 1.1.1. Epidemiology
- 1.1.2. Diagnosis
- 1.1.3. Treatment

1.2. Male Reproductive System Tumors
- 1.2.1. Epidemiology
- 1.2.2. Diagnosis
- 1.2.3. Treatment

1.3. Urinary System Tumors (I)
- 1.3.1. Renal Tumors
- 1.3.2. Diagnosis
- 1.3.3. Treatment

1.4. Urinary System Tumors (II)
- 1.4.1. Urinary Bladder Tumors
- 1.4.2. Diagnosis
- 1.4.3. Treatment

1.5. Genitourinary Surgery (I)
- 1.5.1. General Principles of Reproductive System Surgery
- 1.5.2. Surgical Techniques in the Male Genital Tract
- 1.5.3. Surgical Techniques in the Female Genital Tract

1.6. Genitourinary Surgery (II)
- 1.6.1. Kidney Surgical Techniques
- 1.6.2. Ureter Surgical Techniques
- 1.6.3. Bladder Surgical Techniques
- 1.6.4. Urethra Surgical Techniques

1.7. Transmissible Venereal Tumor
- 1.7.1. Incidence and Pathology
- 1.7.2. Diagnosis
- 1.7.3. Treatment

1.8. Nervous System Tumors (I)
- 1.8.1. Brain Tumors
- 1.8.2. Diagnosis
- 1.1.3. Treatment

1.9. Nervous System Tumors (II)
- 1.9.1. Spinal Cord Tumors
- 1.9.2. Diagnosis
- 1.9.3. Treatment

1.10. Nervous System Surgery
- 1.10.1. Surgical Techniques for the Approach to Intracranial Tumors
- 1.10.2. Surgical Techniques for the Approach to Spinal Cord Tumors
- 1.10.3. Frequent Complications in Nervous System Surgery

Module 2. Hematopoietic Tumors

2.1. Hematopoietic System Tumors (I): Canine Lymphoma (I)
- 2.1.1. Etiology
- 2.1.2. Classification and Pathology
- 2.1.3. Clinical Signs
- 2.1.4. Diagnosis
- 2.1.5. Clinical Status

2.2. Hematopoietic System Tumors (II): Canine Lymphoma (II)
- 2.2.1. Multicentric Lymphoma Treatment
  - 2.2.1.1. Re-Induction and Salvage Chemotherapy
  - 2.2.1.2. Strategies to Improve Treatment Effectiveness
  - 2.2.1.3. Immunotherapy and Other Treatments

2.3. Hematopoietic System Tumors (III): Canine Lymphoma (III)
- 2.3.1. Extranodal Lymphoma Treatment
- 2.3.2. Canine Lymphoma Prognosis

2.4. Hematopoietic System Tumors (IV): Canine Lymphoma (IV)
- 2.4.1. Lymphocytic Leukemia
- 2.4.2. Incidence, Etiology, Pathology and Classification
- 2.4.3. Clinical Signs and Diagnosis
- 2.4.4. Treatment
- 2.4.5. Prognosis

2.5. Hematopoietic System Tumors (V): Feline Lymphoma (I)
- 2.5.1. Incidence, Etiology and Pathology in Feline Lymphoma
- 2.5.2. Gastrointestinal / Dietary Lymphoma

2.6. Hematopoietic System Tumors (VI): Feline Lymphoma (II)
- 2.6.1. Peripheral Lymph Node Lymphoma
  - 2.6.1.1. Mediastinal Lymphoma
- 2.6.2. Extranodal Lymphoma
  - 2.6.2.1. Nasal Lymphoma
  - 2.6.2.2. Renal Lymphoma
  - 2.6.2.3. Central Nervous System Lymphoma
  - 2.6.2.4. Cutaneous Lymphoma
  - 2.6.2.5. Subcutaneous Lymphoma
  - 2.6.2.6. Laryngeal Lymphoma
  - 2.6.2.7. Ocular Lymphoma
  - 2.6.2.8. Felines Lymphoma Prognosis

2.7. Hematopoietic System Tumors (VII): Feline Lymphoma (III)
- 2.7.1. Feline Leukemia, Myeloproliferative Disorders and Myelodysplasia

2.8. Hematopoietic System Tumors (VIII)
- 2.8.1. Canine Acute Myeloid Leukemia, Myeloproliferative Neoplasms, and Myelodysplasia
  - 2.8.1.1. Incidence, Risk Factors
  - 2.8.1.2. Pathology
  - 2.8.1.3. Acute Myeloid Leukemia
- 2.8.2. Myeloproliferative Neoplasms
  - 2.8.2.1. Polycythemia Vera
  - 2.8.2.2. Chronic Myelogenous Leukemia
    - 2.8.2.2.1. Eosinophilic and Basophilic Leukemia
    - 2.8.2.2.2. Essential Thrombocythemia/Primary Thrombocytosis

2.9. Other Bone Marrow Disorders
- 2.9.1. Myelofibrosis
- 2.9.2. Myelodysplastic Syndromes

2.10. Hematopoietic System Tumors (IX): Plasma Cell Tumors
- 2.10.1. Multiple Myeloma
- 2.10.2. Solitary and Extramedullary Plasmacytic Tumors
- 2.10.3. Canine Histiocytic Disease: Feline Histiocytic Disease
- 2.10.4. Canine Histiocytic Disease
  - 2.10.4.1. Cutaneous Histiocytoma
  - 2.10.4.2. Cutaneous Langerhans Cell Histiocytosis
  - 2.10.4.3. Reactive Histiocytosis
- 2.10.5. Histiocytic Sarcoma
- 2.10.6. Hemophagocytic Histiocytic Sarcoma
- 2.10.7. Feline Histiocytic Disease
- 2.10.8. Feline Histiocytic Sarcoma
- 2.10.9. Progressive Feline Histiocytosis
- 2.10.10. Pulmonary Langerhans Cell Histiocytosis

Module 3. Hemangiosarcoma. Thymoma. Cardiac Tumors. Musculoskeletal Tumors

3.1. Hemangiosarcoma (I)
- 3.1.1. Incidence and Risk Factors
- 3.1.2. Etiology
- 3.1.3. Diagnosis

3.2. Hemangiosarcoma (II)
- 3.2.1. Treatment
- 3.2.2. Prognosis

3.3. Spleen Surgery
- 3.3.1. Spleen Surgery Techniques

3.4. Thymoma
- 3.4.1. Diagnosis
- 3.4.2. Treatment

3.5. Cardiac Tumors
- 3.5.1. Diagnosis
- 3.5.2. Treatment

3.6. Thoracic Surgery (I)
- 3.6.1. Anatomy
- 3.6.2. Particularities of Thoracic Surgery
- 3.6.3. Thoracic Cavity Approaches

3.7. Thoracic Surgery (II)
- 3.7.1. Pericardiocentesis
- 3.7.2. Pericardiectomy

3.8. Musculoskeletal Tumors (I)
- 3.8.1. Osteosarcoma
- 3.8.2. Incidence and Risk Factors
- 3.8.3. Etiology
- 3.8.4. Diagnosis
- 3.8.5. Treatment

3.9. Musculoskeletal Tumors (II)
- 3.9.1. Other Bone Tumors
- 3.9.2. Feline Bone Tumors

3.10. Musculoskeletal Surgery
- 3.10.1. Biopsy Technique
- 3.10.2. Surgical Technique for Amputations

This program will allow you to advance in your career comfortably"

05

Methodology

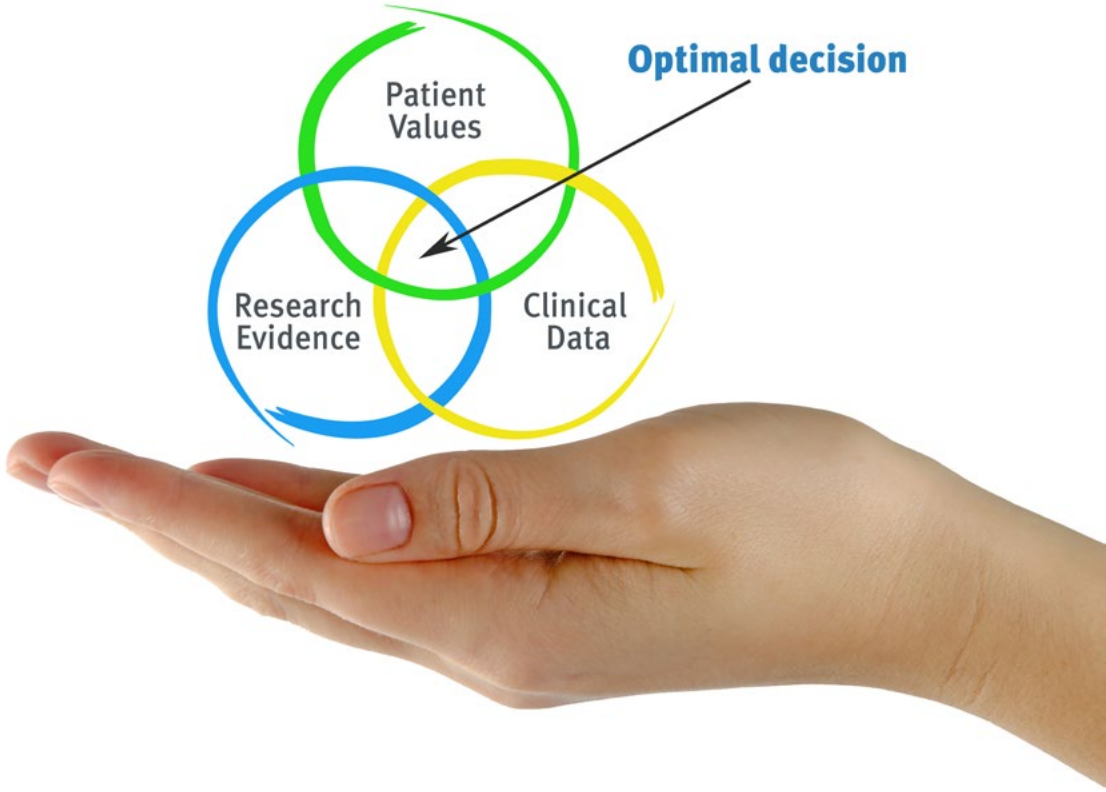
This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**
This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, in an attempt to recreate the actual conditions in a veterinarian's professional practice.

Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method"

The effectiveness of the method is justified by four fundamental achievements:

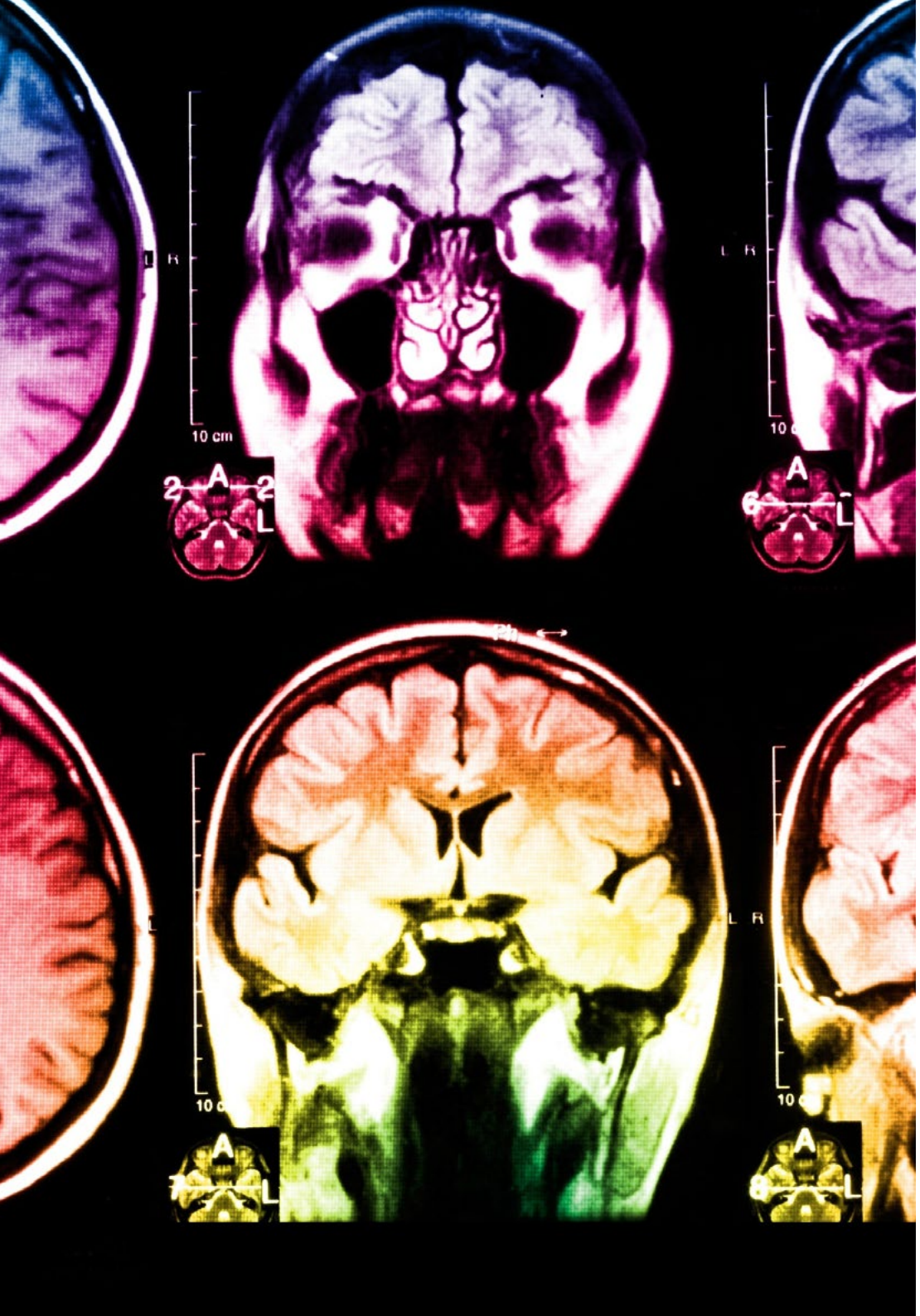
1. Veterinarians who follow this method not only manage to assimilate concepts, but also develop their mental capacity through exercises to evaluate real situations and knowledge application
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. The feeling that the effort invested is effective becomes a very important motivation for veterinarians, which translates into a greater interest in learning and an increase in the time dedicated to working on the course.

Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

Veterinarians will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology more than 65,000 veterinarians have been trained with unprecedented success in all clinical specialties, regardless of the surgical load. Our teaching method is developed in a highly demanding environment, where the students have a high socio-economic profile and an average age of 43.5 years.

Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.

This program offers the best educational material, prepared with professionals in mind:

Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.

Latest Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current and procedures of veterinary techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.

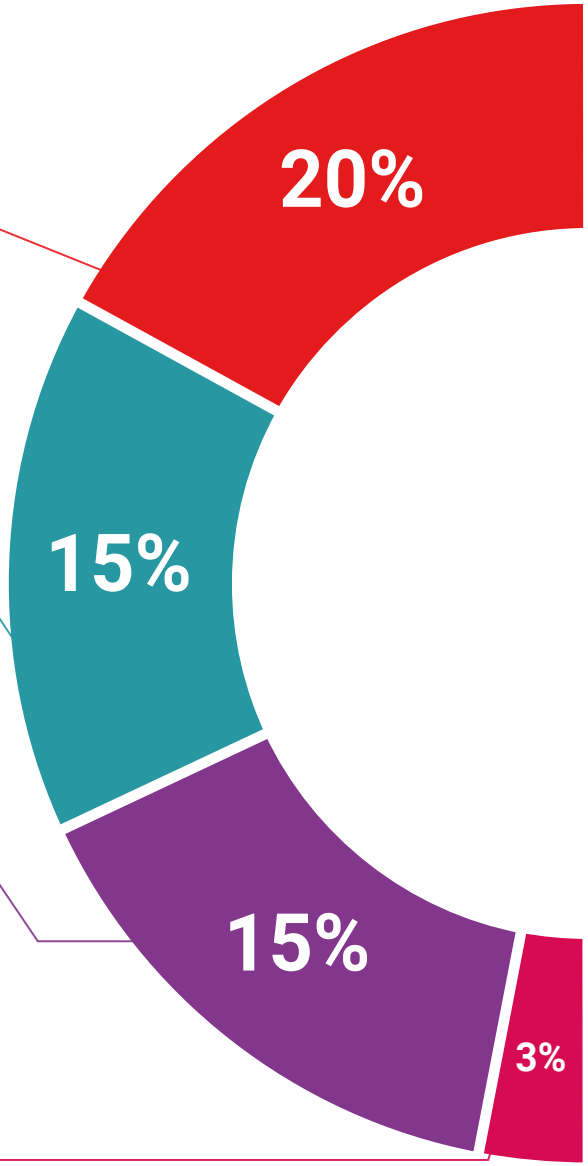
Interactive Summaries

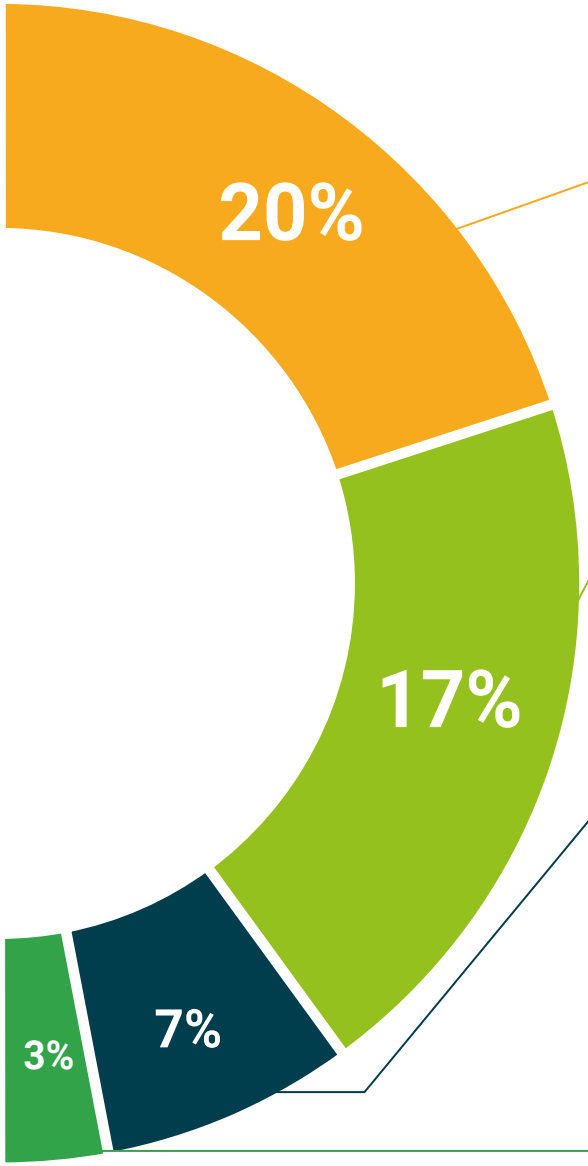
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.

Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.

Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.

06

Certificate

The Postgraduate Diploma in Nervous System, Cardiac, Genitourinary and Musculoskeletal Tumors in Small Animals guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

This **Postgraduate Diploma in Nervous System, Cardiac, Genitourinary and Musculoskeletal Tumors in Small Animals** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in Nervous System, Cardiac, Genitourinary and Musculoskeletal Tumors in Small Animals**

Official Number of Hours: **450 h.**


tech technological university

Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE DIPLOMA

in

Nervous System, Cardiac, Genitourinary and Musculoskeletal Tumors in Small Animals

This is a qualification awarded by this University, equivalent to 450 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

tech technological university

Postgraduate Diploma

Nervous System,Cardiac, Genitourinary,and Musculoskeletal Tumors in Small Animals

- Modality: **online**
- Duration: **6 months**
- Certificate: **TECH Technological University**
- Dedication: **16h/week**
- Schedule: **at your own pace**
- Exams: **online**

Postgraduate Diploma

Nervous System, Cardiac,Genitourinary and Musculoskeletal Tumors in Small Animals

tech technological university